

Become an Assistant Professor of Theoretical Particle Physics.

Vibrant, multidisciplinary and innovative, the [Faculty of Arts and Science](#) is one of Université de Montréal's largest faculties. Through its 28 departments, schools, centres and one institute, it offers over 300 undergraduate and graduate programs, some of which are unique in Quebec. It is also home to some 30 interdisciplinary research centres and groups. Every day, its 650 faculty members are helping shape a better tomorrow by advancing knowledge and encouraging the convergence of perspectives.

The Department of Physics is among the most dynamic in Canada, featuring internationally renowned researchers conducting cutting-edge research across the principal fields of contemporary physics, including eleven research chairs (<https://phys.umontreal.ca/accueil/>).

The Particle Physics Group (GPP) is engaged in research at the forefront of both experimental and theoretical particle physics. Experimental efforts include participation in major international collider and underground detector collaborations, while theoretical efforts include particle phenomenology as well as research in fields outside the scope of particle physics, including general relativity and quantum information. UdeM further benefits from an exceptional artificial intelligence ecosystem, including Mila – Quebec AI Institute and IVADO; it also hosts the Institut Courtois, a research institute dedicated to research in quantum materials.

We are seeking a candidate who will establish a world-renowned research program in the phenomenology of particle or astroparticle physics that complements the current research efforts of the GPP in those areas. We particularly welcome applications from candidates with strong contributions in the hep-ph archive. A successful candidate whose research focuses on artificial intelligence may also be considered for an [IVADO](#) professorship (a research, training, and knowledge mobilization consortium in AI), which offers enhanced start-up conditions.

Day-to-day responsibilities

Through your undergraduate and graduate-level teaching, and your research activities, you will contribute to the faculty's pursuit of excellence. Furthermore, you will promote your discipline and actively participate in the daily activities of a renowned institution. As such, you will:

- Develop an independent, dynamic, innovative, and high-quality research program in particle/astroparticle phenomenology;
- Teach and supervise undergraduate and graduate students;
- Actively participate in the dissemination of knowledge, thereby enhancing the University's reputation through conferences and scientific activities at the local, national, and international levels;
- Contribute to the effective functioning and development of the Department of Physics, the Faculty of Arts and Sciences, and the institution by participating in committees and working groups.

Qualifications

- Hold a Ph.D. in physics or a related field;
- Have an outstanding research record, demonstrated by the impact and quality of publications, leadership in research projects, and international recognition;
- Demonstrate strong potential for impactful proposed research, showing independence, realistic feasibility of the research program at the Université de Montréal, and potential for collaboration within the department;
- Demonstrate strong potential to secure research grants;
- Demonstrate the ability to provide high-quality university teaching and student supervision at all three levels (undergraduate, master's, and doctoral);
- Demonstrate experience and/or interest in scientific and educational outreach, service to the academic community, and/or in equity, diversity and inclusion (EDI).
- Have adequate proficiency of the French language **or** be committed to learning it once hired, through the Université de Montréal's French language support program, in accordance with the [Université de Montréal language policy](#).

Additional information about the position

- Competitive salary and a comprehensive range of benefits
- Expected start date: 1 June 2026
- Located at the MIL Science campus

How to submit your application

Submit your application through our online recruitment system (click on the “Apply for job” button) before 21 November 2025. Your application must include the following documents:

- A cover letter
- A curriculum vitae
- Copies of, or links to, three recent publications or research papers
- A statement outlining your teaching and mentoring experience and approach
- A research program proposal
- A minimum of three letters of reference to be sent directly to the chair of the department (see contact information below)
- Please respect the following page limits:
 - Two pages for the cover letter.
 - Three pages for the research program proposal.
 - Two pages for the statement on teaching and mentoring experience and approach,. You may, if you wish, also include how you would contribute to promoting equity, diversity and inclusion (EDI) in your teaching and within your research group.

Contact information

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